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Europäisches  
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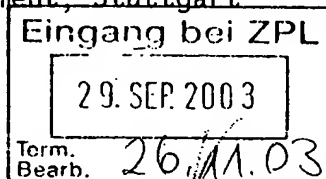
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s. Antwort vom Zylinder  
vom 17-10.03

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Prüfungsumgebung stellen.

Zeichen/Ref./Réf. 113 724	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°. 03290941.8-2415-
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire ALCATEL	

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☐ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

1

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Y	US 2002/015220 A1 (KARPOV VLADIMIR ET AL) 7 February 2002 (2002-02-07) * paragraphs '0008!', '0010!', '0030!', '0031!', '0036!'; claim 15; figures 3,6 *	1-5,9,10	H04B10/17 H01S3/30
Y	EP 0 395 277 A (STC PLC) 31 October 1990 (1990-10-31) * column 4, line 9 - column 4, line 12 *	1-5,9,10	
A	EP 1 026 797 A (LUCENT TECHNOLOGIES INC) 9 August 2000 (2000-08-09) * abstract; claims 1,9; figure 1 *	1-10	
A	WO 02 17520 A (CORNING INC) 28 February 2002 (2002-02-28) * page 7, line 6 - page 7, line 8 *	1-10	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H04B H01S
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 12 September 2003	Examiner Phillips, S
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 29 0941

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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12-09-2003

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002015220 A1	07-02-2002	AU 7562901 A	21-01-2002
		WO 0205461 A2	17-01-2002
		CA 2414951 A1	17-01-2002
		EP 1302006 A2	16-04-2003
EP 0395277 A	31-10-1990	GB 2230912 A	31-10-1990
		AU 618186 B2	12-12-1991
		AU 5371990 A	25-10-1990
		DE 69015869 D1	23-02-1995
		DE 69015869 T2	04-05-1995
		EP 0395277 A1	31-10-1990
		JP 2788327 B2	20-08-1998
		JP 3062022 A	18-03-1991
		US 5117196 A	26-05-1992
EP 1026797 A	09-08-2000	US 6147794 A	14-11-2000
		EP 1026797 A2	09-08-2000
		JP 2000228548 A	15-08-2000
WO 0217520 A	28-02-2002	AU 6855701 A	04-03-2002
		CA 2423401 A1	28-02-2002
		EP 1310055 A1	14-05-2003
		WO 0217520 A1	28-02-2002



This application is covered by the extended European search report pilot project at present running within the European Patent Office, applied to all European patent applications filed as first filing and searched on or after 01.07.03. Under this project the EPO issues together with the search report an opinion on whether the application and the invention to which it relates meet the requirements of the EPC. This non-binding opinion is issued free of charge as a service. This opinion may be used as the basis for an informed decision as to whether it is desired to pursue the application further or not.

For further details of this pilot project, the applicant's attention is directed to the Official Journal edition 5/2003. If any further immediate questions or comments arise the EPO Customer Services: +31-70-340 4500 or +49-89-2399 2828 can be contacted.

**The attached opinion reveals that the application or the invention to which it relates appear not to meet the requirements of the Convention** (see comments on enclosed Form 2906).

If the applicant wishes to continue with this application the examination fee must be paid. Where appropriate amendments can be filed to address the objections raised in the opinion, thus shortening the overall procedure. If no amendments are filed, the opinion will be re-issued as the first official communication under Article 96(2) and Rule 51(2) EPC.

If the examination fee has already been paid and the right to the communication under Article 96(1) EPC has been waived for this application, the first official communication under Article 96(2) and Rule 51(2) EPC will be issued promptly.